

REMARKS

Claims 1-14 inclusive remain in this application. Claims 1-5 and 7 stand as rejected under 35 U.S.C. §102 and claims 6 and 8-14 stand as rejected under 35 U.S.C. §103. The drawings are also objected to. The above amendment adds a limitation to both independent claims that the detonation of the explosive charge perforates a tubular in a wellbore. Support is found, for example, in the specification from line 21 of page 6 through line 5 of page 8. Redlined copies of the amended claims are attached.

The drawings stand as objected to because "56" is in figure 6, but not mentioned in the description. A proposed figure 6 is enclosed. Applicant believes that the enclosed figure 6 is the same figure that was proposed with the response mailed on December 2, 2002. This figure does not include a reference "56". This objection is therefore respectfully traversed, and withdrawal thereof is respectfully requested.

Rejections over the prior art are based on art suggesting detonation of explosives on the surface, not in a wellbore. The present claims clearly require the detonation to perforate a tubular in a wellbore. There is no suggestion in the references of record to combine art such as Guerrieri (U.S. Patent No. 4,884,506) with art teaching perforation of wellbore tubulars. The art of record therefore do not teach all of the elements of the present invention, and rejection under 35 U.S.C. §102 is therefore respectfully traversed. Further, because there is no suggestion to combine art teaching wireless detonation with wellbore perforation, there is no prima facie basis for rejection under 35 U.S.C. §103. Rejections under 35 U.S.C. §103 are therefore also respectfully traversed, and withdrawal thereof is respectfully requested.

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The rejections and objections each being traversed, allowance of the claims is respectfully requested.

Respectfully submitted,

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Enclosure: Redline copy of amended claim

Copy of submitted FIGURES 5 and 6

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REDLINE COPY OF AMENDED CLAIM

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1. (Twice amended) A detonation device for selectively [detonating] perforating a tubular with a designated explosive charge located downhole in a well bore, said device comprising:

a wireless receiver;

microprocessor and control means connected to said wireless receiver;

an explosive bridge wire;

high voltage supply means; and energy storage and trigger means, whereby a coded signal received by said wireless receiver is decoded by the micro processor and, if the code designates that the respective explosive charge is to be detonated, sends a signal to the trigger means which will supply high voltage to explosive bridge wire which will create sufficient energy to initiate detonation of the respective explosive charge and thereby perforating the tubular.

8. (Twice amended) A method for selectively [detonating] perforating a tubular with a designated explosive charge located downhole in a well bore, comprising the steps of:

providing a detonating device having a wireless receiver, microprocessor and control means connected to said wireless receiver, at least one explosive bridge wire, high voltage supply means, and energy storage and trigger means; and

transmitting a coded signal to said wireless receiver to be decoded by the microprocessor and, if the code designates that the respective explosive charge is to be detonated, sends a signal to the trigger means which supplies high voltage to the explosive bridge wire causing it to substantially instantly vaporize creating sufficient energy to initiate detonation of the respective explosive charge and thereby perforating the tubular.

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